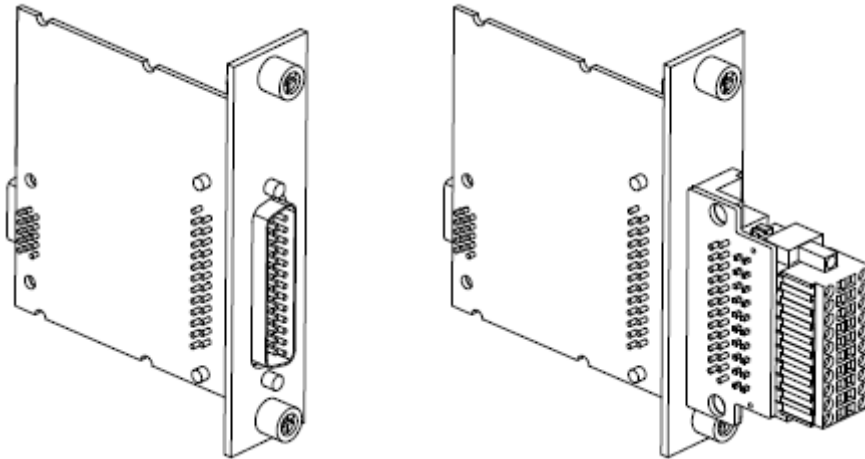


## DATASHEET

# MT E780

8 DO, 5V/TTL, 25 ns



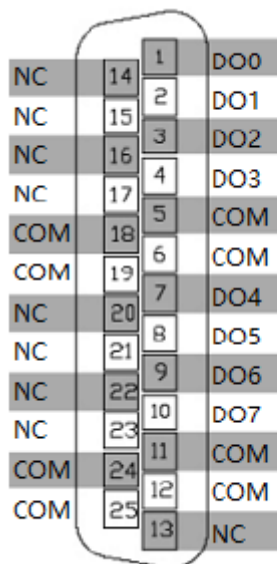
- DSUB or push-in Spring Terminal connectivity
- 60 VDC, CAT I, channel-to-earth isolation;
- -40 °C to 70 °C operating;

The MT E780 is a digital output module for RobustRIO and FlexDAQ systems. There are two connector options for the MT E780--a 20-position spring-terminal connector and a 25-position DSUB connector.

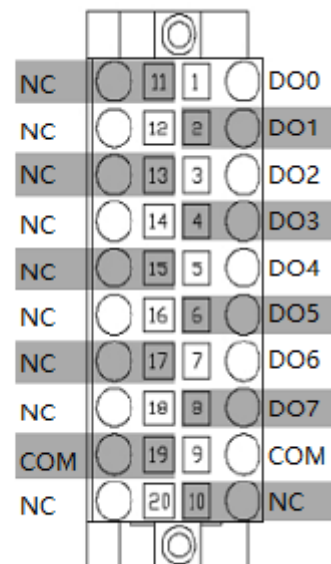
# MT E780 Connectivity

Pin definition of DSUB connector and Spring Terminal connector.

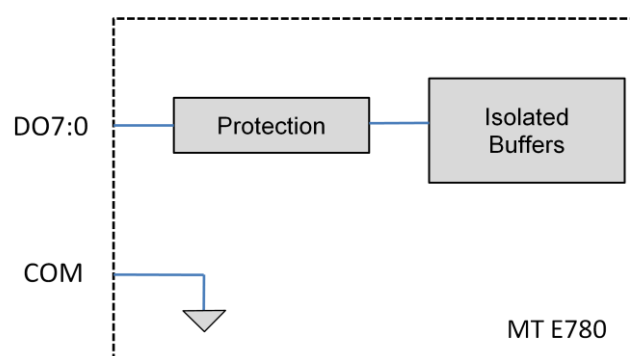
DSUB



Spring Terminal



## Output Circuitry



There are eight digital output channels of MT E780. All channels are internally referenced to COM.

# MT E780 Specifications

The following specifications are typical for the range -40 °C to 70 °C unless otherwise noted. All voltages are relative to COM unless otherwise noted.

## Output Characteristics

Number of channels	8 DO channels
Output type	TTL,single-ended
Digital logic levels	
Output	
Voltage	5.23V maximum
High,VOH	4.8V minimum
LOW,VOL	0.1V maximum
Maximum signal switching frequency,per channel	
Output	40MHz
Output propagation delay	13 ns maximum
Output pulse width distortion	3ns
Overvoltage protection	±30 V